

CLAIMS

1. A folded box (10) having side walls (12, 14, 16) and a base unit (60) and/or a lid unit (70), at least one side wall (12, 14, 16) having a convex curvature when the folded box (10) is folded up, characterized in that
  - at least one supporting unit (20; 50) is connected to the inner wall of the convexly curved side wall (12, 14, 16) and has a first adhesive tab (22) and a second adhesive tab (24), which are connected to the inner wall and which are arranged spaced apart (A1; A2) from each other in the direction of the curvature, and
  - between the first and second adhesive tab (22, 24) there is a supporting tab (30; 56), which is connected to the first and, respectively, the second adhesive tab (22, 24) via a first and, respectively, a second supporting tab fold (32, 34), the length of the supporting tab (30; 56) corresponding to the distance (A1; A2) between the first and the second adhesive tabs (22, 24) and, when the folded box (10) is folded up, it being possible for the supporting tab (30; 56) to be folded into the interior of the folded box (10) or, when the folded box (10) is folded up, folding up automatically into the interior of the folded box (10).
2. The folded box as claimed in claim 1, characterized in that
  - a plurality of supporting units (20; 50) are arranged in the direction of the curvature.
3. The folded box as claimed in claim 1 and/or 2, characterized in that
  - the folded box (10) has two convexly curved side walls (14, 16) which, when folded up, are opposite each other, so that the result is an oval or round

cross-sectional shape, and opposite supporting units (20) are arranged on the inside of the side walls (14, 16).

- 5     4.     The folded box as claimed in one or more of the preceding claims, characterized in that  
- the supporting tab (30.1) has a convex curvature inward when folded up.
- 10    5.     The folded box as claimed in one or more of the preceding claims 1 to 4, characterized in that  
- the supporting tab (30) has at least one further supporting tab fold (36), which runs parallel to the first and, respectively, the second supporting  
15     tab fold (32, 34) and, in particular, is arranged centrally on the supporting tab (30).
6.     The folded box as claimed in one or more of the preceding claims, characterized in that  
20     - the supporting tab (30) is formed with double walls.
7.     The folded box as claimed in one or more of the preceding claims, characterized in that  
25     - the supporting tab (30; 56) is arranged underneath the base unit (60) and/or above the lid unit (70).
- 30    8.     The folded box as claimed in one or more of the preceding claims, characterized in that  
- the base unit (60) and/or the lid unit (70) is connected to the inner wall of a side wall element (14, 16) via a base fold (64) and a lid fold (74),  
35     respectively, the base fold (64) and lid fold (74) being arranged substantially at the same height as the upper and lower edge, respectively, of the folded-up supporting tab (30; 56).

9. The folded box as claimed in claim 8, characterized in that
- between the base unit (60) and, respectively, the lid unit (70) there is a base adhesive tab (62) and, respectively, a lid adhesive tab (72), which are connected to the respective side wall (14, 16) via a base adhesive tab fold (66) and, respectively, a lid adhesive tab fold (76) and which are connected to the inside of the corresponding side wall (14, 16).
10. The folded box as claimed in one or more of the preceding claims, characterized in that
- the first and second adhesive tabs (22, 24) of the supporting unit (20) are integrally molded on the lower and/or upper front end edge of a side wall element (14, 16) via a first and, respectively, a second adhesive tab fold (26, 28) and there is a slot (44) between the side wall (14, 16) and supporting tab (30).
11. The folded box as claimed in one or more of the preceding claims, characterized in that
- the supporting tab (30) is reinforced by at least one reinforcing tab (38), which is connected to the supporting tab (30) via a reinforcing tab fold (40), which in particular runs parallel to the first and, respectively, the second adhesive tab fold (26, 28).
12. The folded box as claimed in one or more of the preceding claims, characterized in that
- the base unit (60) and/or the lid unit (70) have an external circumferential contour which corresponds substantially to the inner circumferential contour, formed by the curved side walls (12, 14, 16), of the folded box (10).

13. The folded box as claimed in one or more of the preceding claims, characterized in that
- the base unit and/or the lid unit are/is double-walled.

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14. The folded box as claimed in one or more of the preceding claims, characterized in that
- the folded box (10) is composed of board or board-like material or plastics material.

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15. The folded box as claimed in one or more of the preceding claims, characterized in that
- the folded box (10) is formed from a one-piece blank.